

WHAT IS CLAIMED IS:

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1. An electrically insulated bolt having a head and a threaded shank, with the underside of the bolt-head and some portion of said shank having an electrically insulating powder composition coating applied thereto.

2. The electrically insulated bolt of claim 1 wherein said coating has a thickness of about 0.004 to about 0.014 in.

3. The electrically insulated bolt of claim 1 wherein said coating remains functional fully tightened and at an electrical potential of about 5000 VDC.

4. A generator assembly comprising a seal casing and an endshield, wherein said seal casing and said endshield are secured by a plurality of electrically insulated bolts, each bolt having a head with an integral flange and a threaded shank, with some portion of said shank and the underside of said integral flange having an electrically insulating powder composition coating applied thereto.

5. The assembly of claim 4 wherein said coating has a thickness of about 0.004 to about 0.014 in.

6. The assembly of claim 4 wherein said coating remains functional fully tightened and at an electrical potential of about 5000 VDC.

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